

## ABSTRACT

### Compounds for Targeting

A compound comprising a target cell-specific portion and a cytotoxic portion characterised in that the target cell-specific portion comprises an humanised monoclonal antibody having specificity for polymorphic epithelial mucin (PEM), or an antigen binding fragment thereof, and the cytotoxic portion has endonucleolytic activity. Preferably, the target cell-specific portion comprises an humanised HMFG-1 antibody or an antigen binding fragment thereof. Advantageously, the cytotoxic portion is at least the catalytically active portion of a DNA endonuclease, *e.g.* a human DNA endonuclease I.

The invention further provides nucleic acids encoding the compounds of the invention, and the use of such compounds in medicine, *e.g.* in the treatment of cancer.